

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
 Data File : BF129592.D
 Acq On : 05 Aug 2022 03:38
 Operator : CG\JU
 Sample : N4016-04DL 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-ESDL

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 08/05/2022
 Supervised By : Jagrut Upadhyay 08/05/2022

Quant Time: Aug 05 04:23:15 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 05 02:05:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.857	152	152896	20.000	ng	0.00
21) Naphthalene-d8	8.139	136	526632	20.000	ng	0.00
39) Acenaphthene-d10	9.898	164	227164	20.000	ng	0.00
64) Phenanthrene-d10	11.386	188	364139	20.000	ng	0.00
76) Chrysene-d12	14.033	240	299218	20.000	ng	0.00
86) Perylene-d12	15.515	264	248229	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	520300	55.434	ng	0.00
7) Phenol-d6	6.510	99	605596	51.333	ng	0.00
23) Nitrobenzene-d5	7.422	82	352421	36.531	ng	-0.01
42) 2,4,6-Tribromophenol	10.686	330	107778	49.349	ng	-0.01
45) 2-Fluorobiphenyl	9.210	172	555661	37.840	ng	-0.01
79) Terphenyl-d14	12.969	244	514451	32.436	ng	-0.01
Target Compounds						Qvalue
49) Acenaphthylene	9.757	152	60268	2.959	ng	99
71) Phenanthrene	11.410	178	374205	18.826	ng	97
72) Anthracene	11.463	178	91653	4.692	ng	98
73) Carbazole	11.622	167	40653	2.211	ng	98
75) Fluoranthene	12.604	202	963787	47.854	ng	99
78) Pyrene	12.833	202	888553	35.512	ng	98
81) Benzo(a)anthracene	14.021	228	484269	23.693	ng	99
83) Chrysene	14.063	228	437330	22.703	ng	97
87) Indeno(1,2,3-cd)pyrene	17.009	276	210446	12.590	ng	95
88) Benzo(b)fluoranthene	15.086	252	518745m	31.504	ng	
89) Benzo(k)fluoranthene	15.110	252	199319m	12.352	ng	
90) Benzo(a)pyrene	15.457	252	349813	26.171	ng	97
91) Dibenzo(a,h)anthracene	17.015	278	55414	4.073	ng	# 88
92) Benzo(g,h,i)perylene	17.468	276	198074	14.248	ng	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

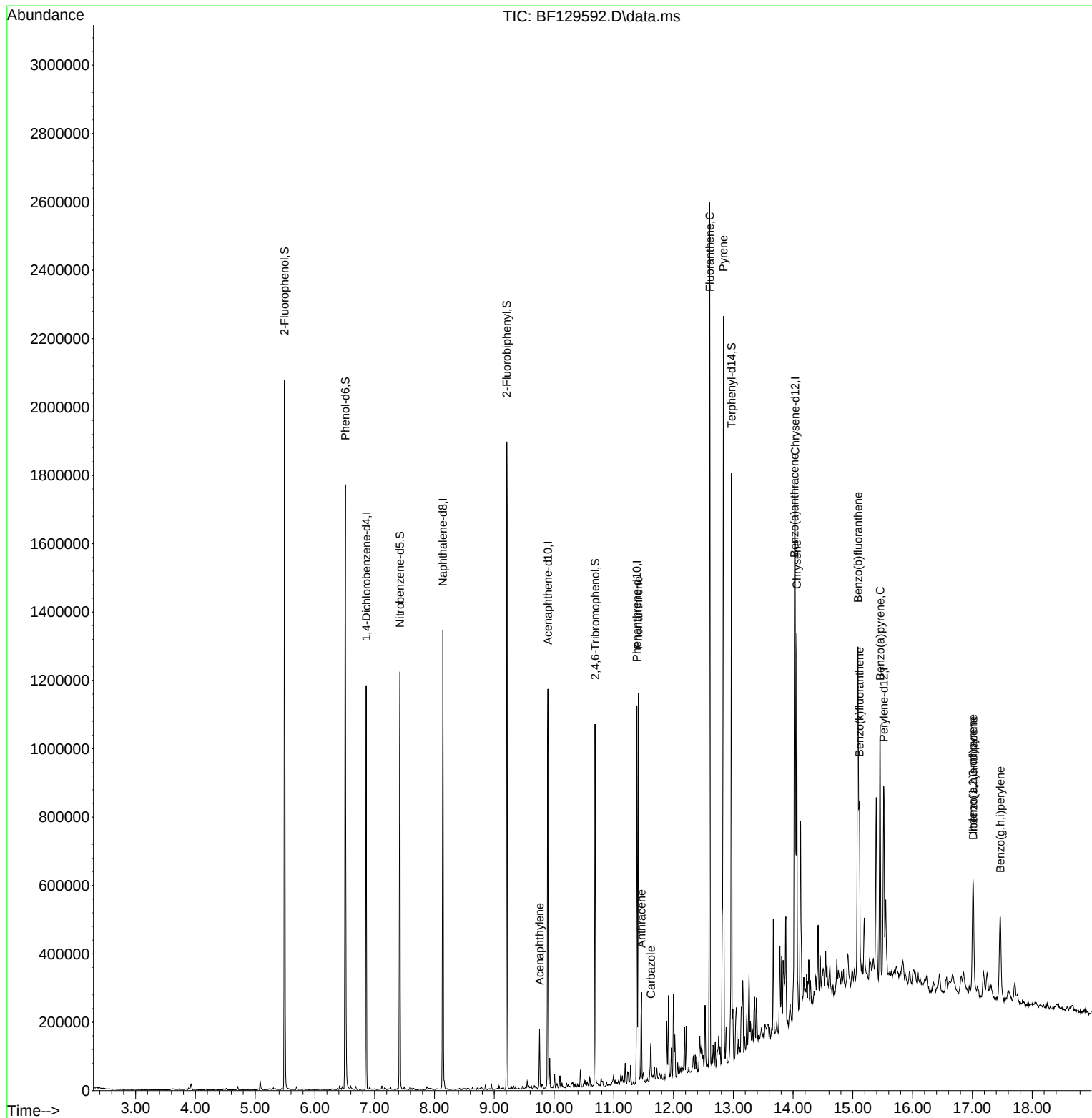
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080422\
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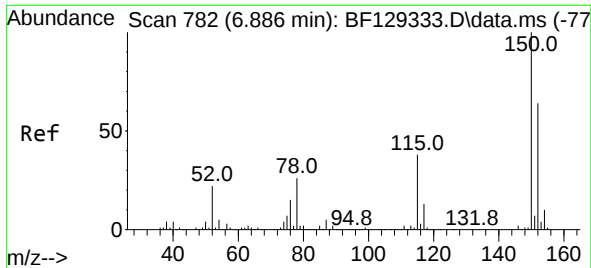
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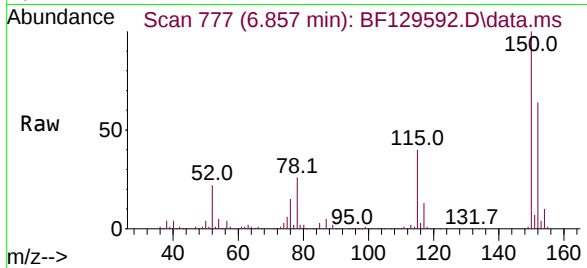
Quant Time: Aug 05 04:23:15 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Aug 05 02:05:37 2022
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.857 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

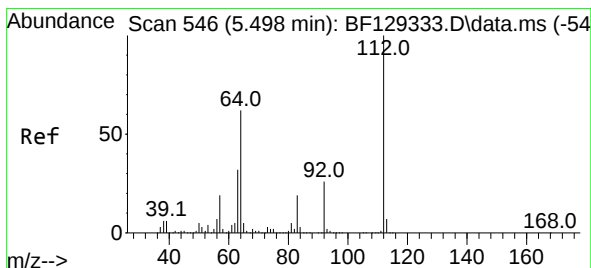
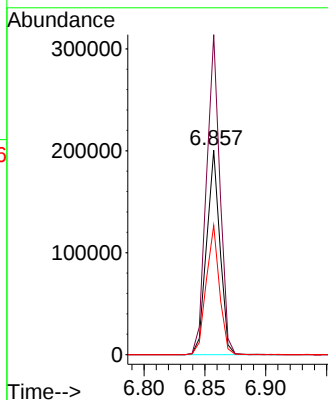
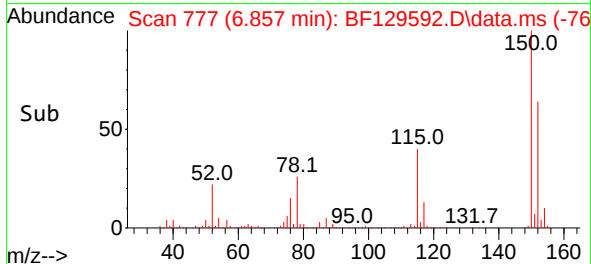
Instrument :
BNA_F
ClientSampleId :
MH-ESDL



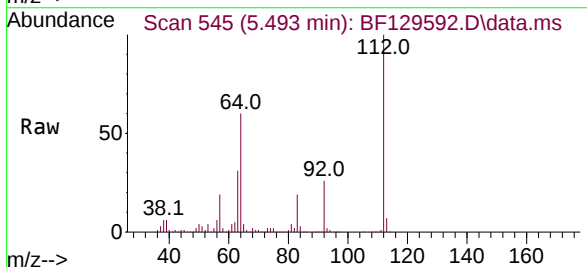
Tgt Ion:152 Resp: 152896
Ion Ratio Lower Upper
152 100
150 156.5 123.7 185.5
115 63.2 49.9 74.9

Manual Integrations
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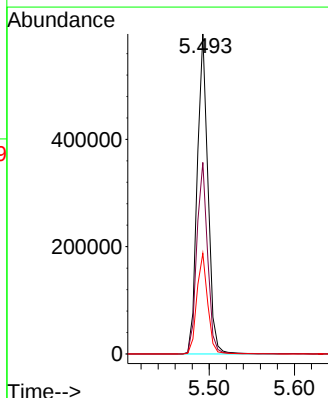
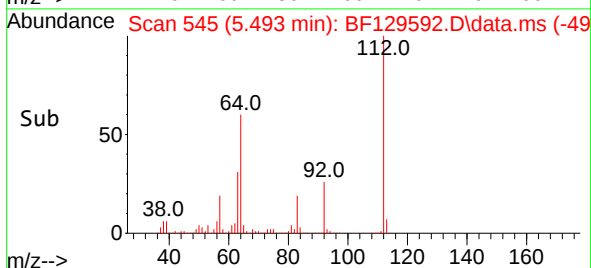
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#5
2-Fluorophenol
Concen: 55.434 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38



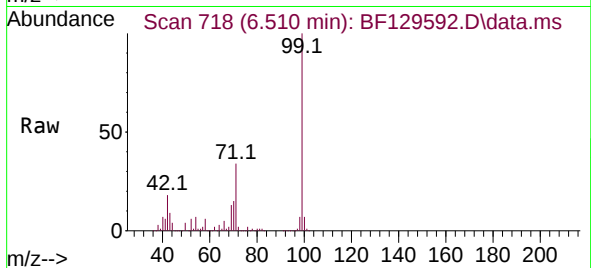
Tgt Ion:112 Resp: 520300
Ion Ratio Lower Upper
112 100
64 59.8 53.3 79.9
63 31.4 28.0 42.0





#7
Phenol-d6
Concen: 51.333 ng
RT: 6.510 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

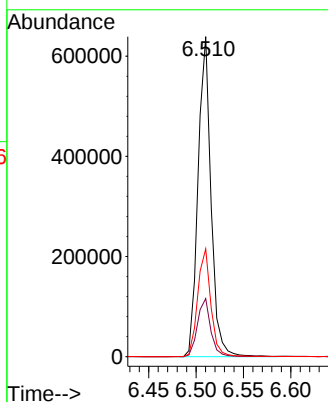
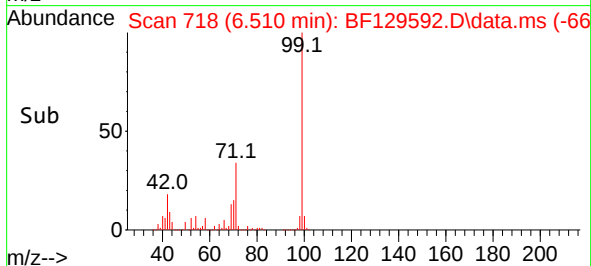
Instrument :
BNA_F
ClientSampleId :
MH-ESDL



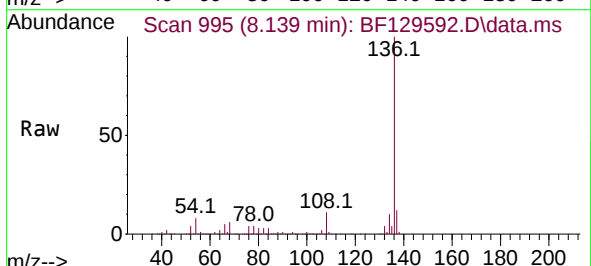
Tgt Ion: 99 Resp: 605596
Ion Ratio Lower Upper
99 100
42 18.1 17.3 25.9
71 33.7 28.9 43.3

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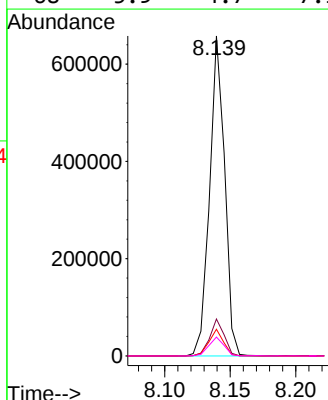
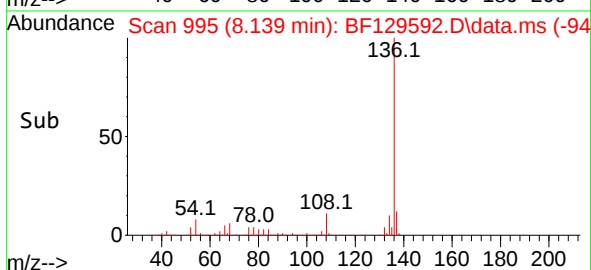
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.139 min Scan# 995
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38



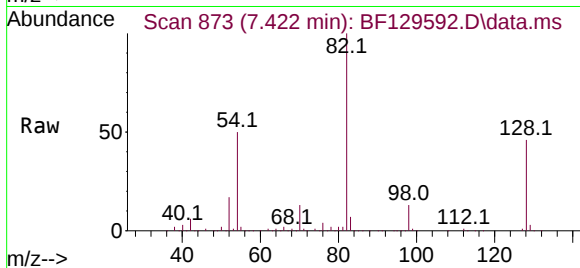
Tgt Ion:136 Resp: 526632
Ion Ratio Lower Upper
136 100
137 11.5 8.8 13.2
54 8.3 7.5 11.3
68 5.9 4.7 7.1





#23
Nitrobenzene-d5
Concen: 36.531 ng
RT: 7.422 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

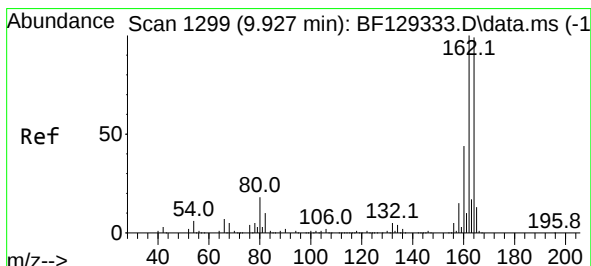
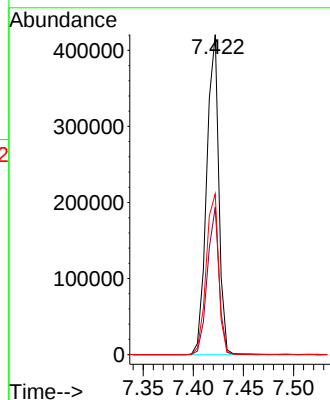
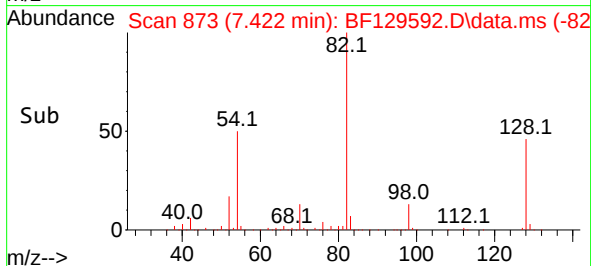
Instrument :
BNA_F
ClientSampleId :
MH-ESDL



Tgt Ion: 82 Resp: 352421
Ion Ratio Lower Upper
82 100
128 46.1 34.0 51.0
54 50.2 46.9 70.3

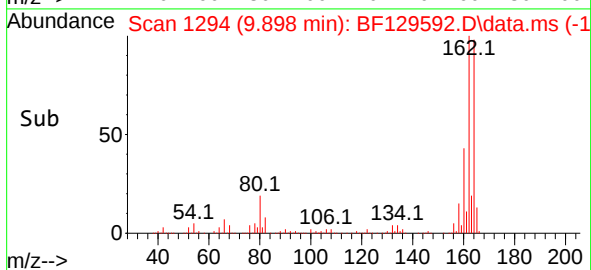
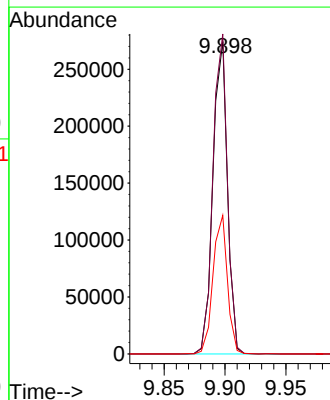
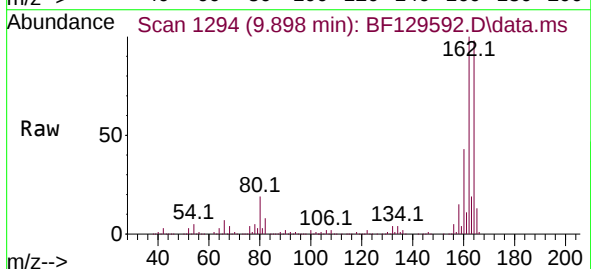
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#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1294
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:164 Resp: 227164
Ion Ratio Lower Upper
164 100
162 102.4 79.5 119.3
160 44.3 34.2 51.4





#42
2,4,6-Tribromophenol
Concen: 49.349 ng
RT: 10.686 min Scan# 1434
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

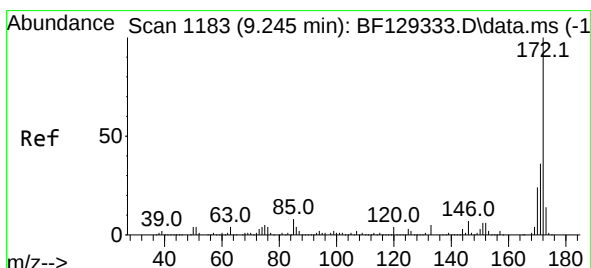
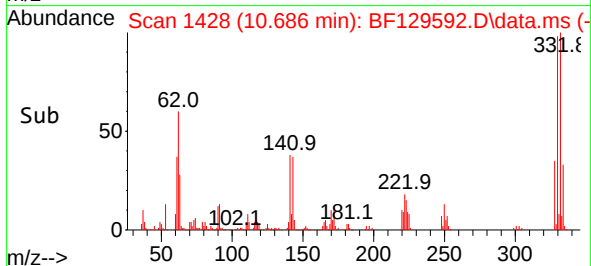
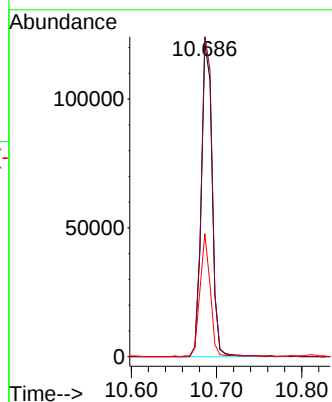
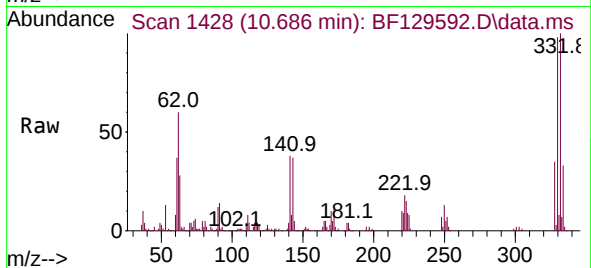
MH-ESDL

Tgt Ion:330 Resp: 107778
Ion Ratio Lower Upper
330 100
332 102.6 76.8 115.2
141 37.1 28.0 42.0

Manual Integrations

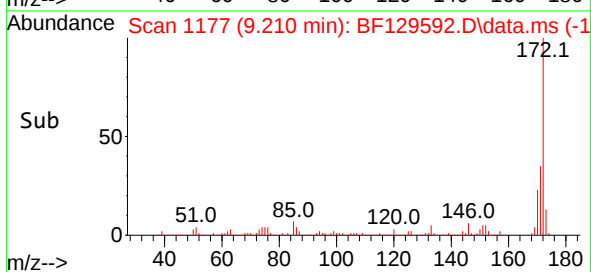
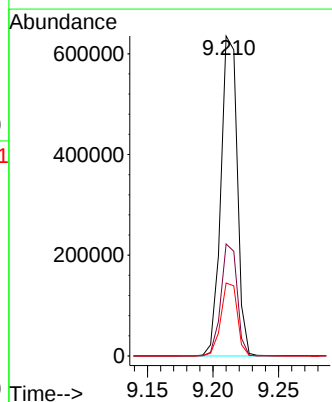
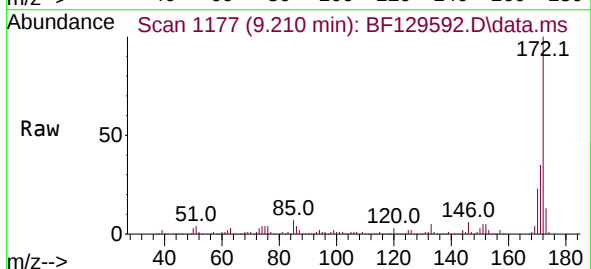
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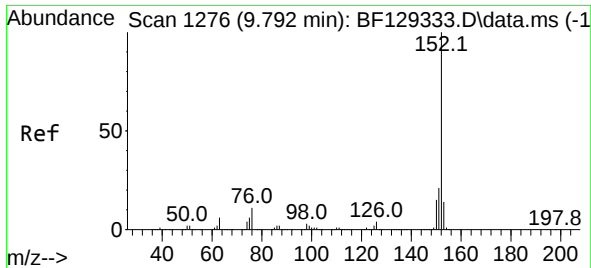
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#45
2-Fluorobiphenyl
Concen: 37.840 ng
RT: 9.210 min Scan# 1177
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:172 Resp: 555661
Ion Ratio Lower Upper
172 100
171 35.0 28.8 43.2
170 22.8 19.8 29.8





#49

Acenaphthylene

Concen: 2.959 ng

RT: 9.757 min Scan# 1547

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

Tgt Ion:152 Resp: 60268

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.4

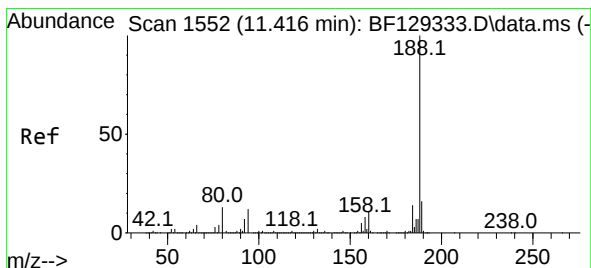
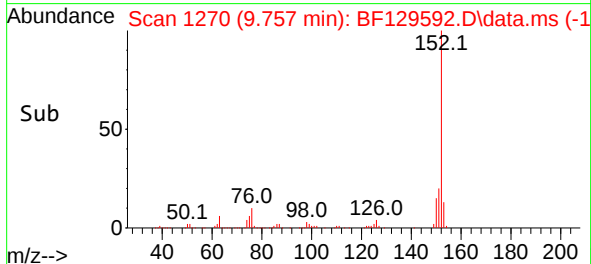
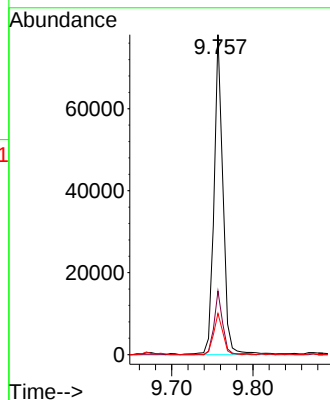
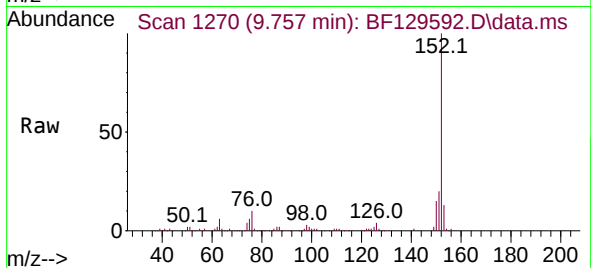
153 12.9 10.7 16.1

Manual Integrations

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#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.386 min Scan# 1547

Delta R.T. -0.006 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

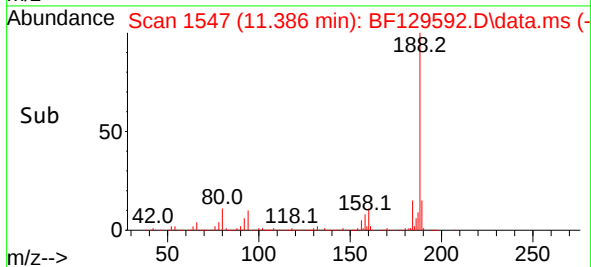
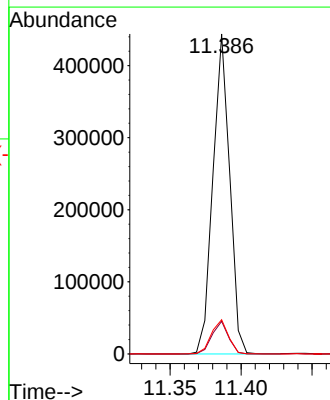
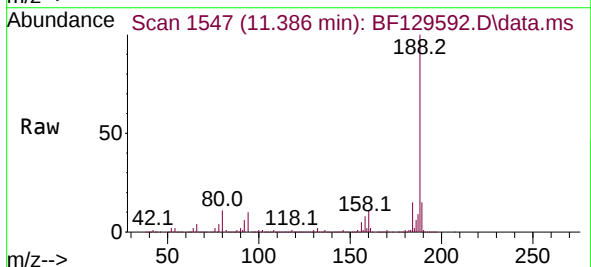
Tgt Ion:188 Resp: 364139

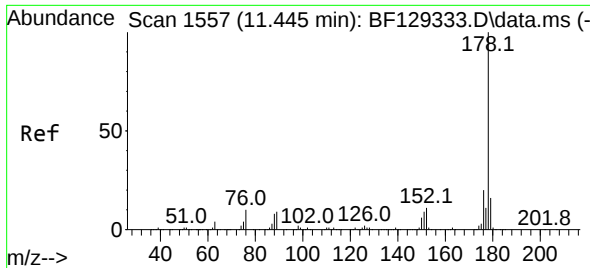
Ion Ratio Lower Upper

188 100

94 10.2 7.0 10.6

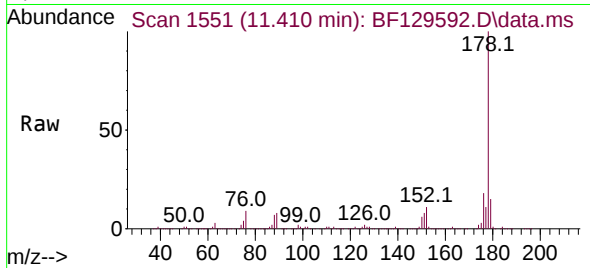
80 10.7 7.6 11.4





#71
Phenanthrene
Concen: 18.826 ng
RT: 11.410 min Scan# 1551
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

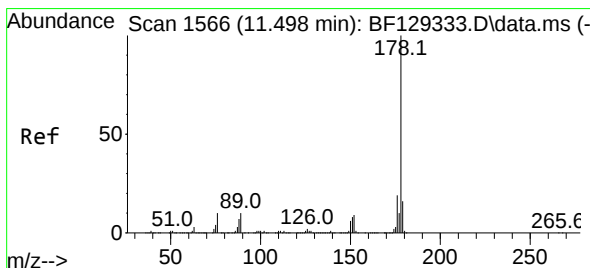
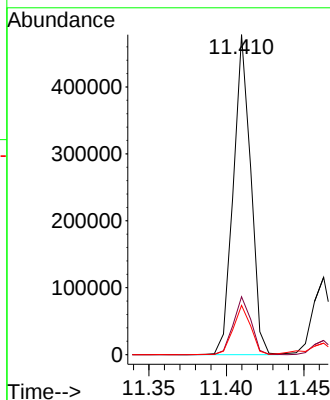
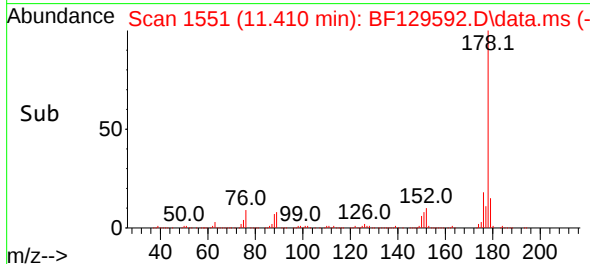
Instrument :
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Tgt Ion:178 Resp: 374205
Ion Ratio Lower Upper
178 100
176 18.1 16.0 24.0
179 15.4 12.6 19.0

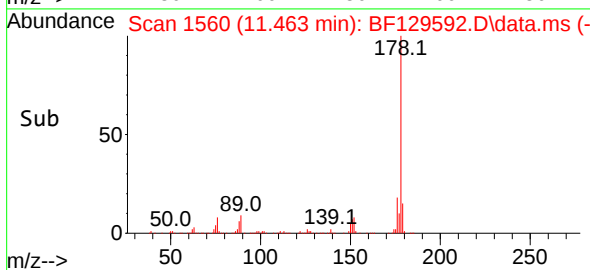
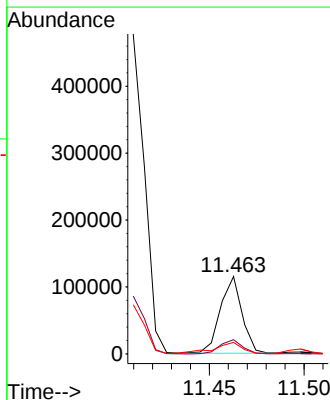
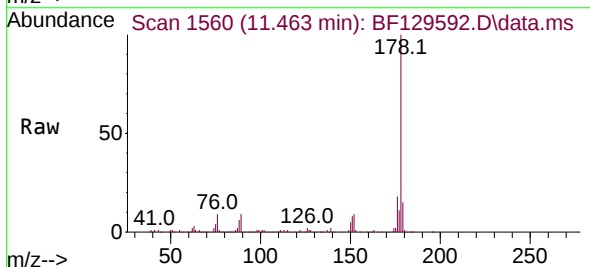
Manual Integrations
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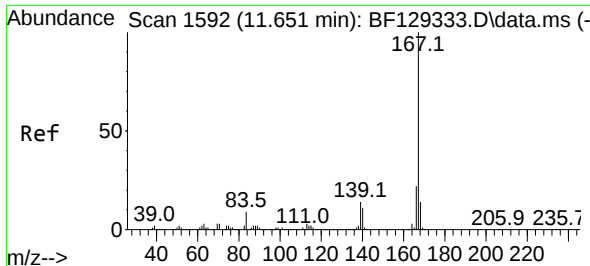
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#72
Anthracene
Concen: 4.692 ng
RT: 11.463 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

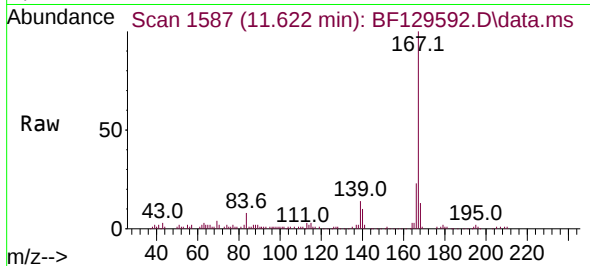
Tgt Ion:178 Resp: 91653
Ion Ratio Lower Upper
178 100
176 18.3 15.4 23.2
179 14.9 12.6 19.0





#73
 Carbazole
 Concen: 2.211 ng
 RT: 11.622 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

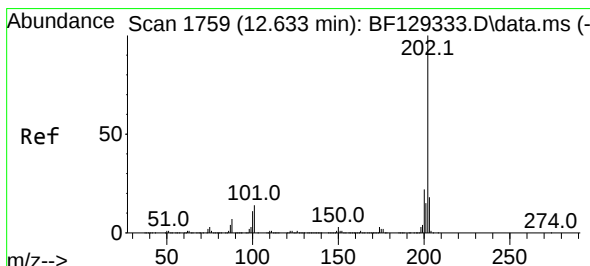
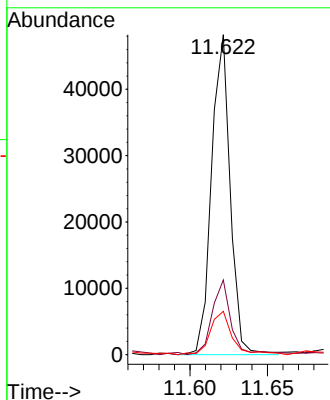
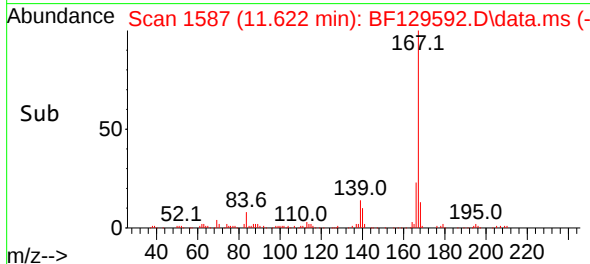
Instrument :
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 MH-ESDL



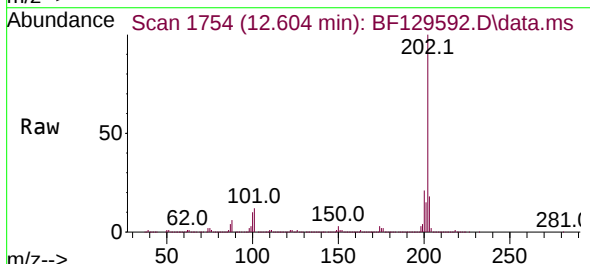
Tgt Ion:167 Resp: 40653
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.7 26.5
 139 13.5 11.2 16.8

Manual Integrations
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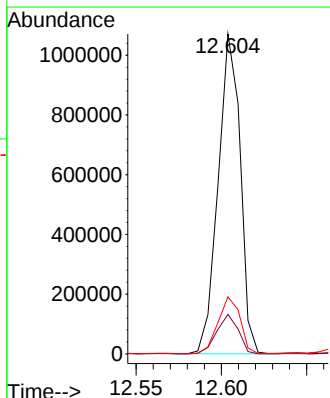
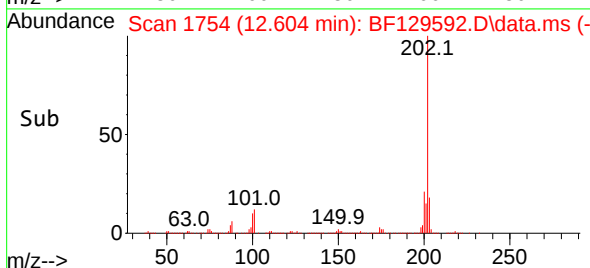
Reviewed By :Christian Giraldo 08/05/2022
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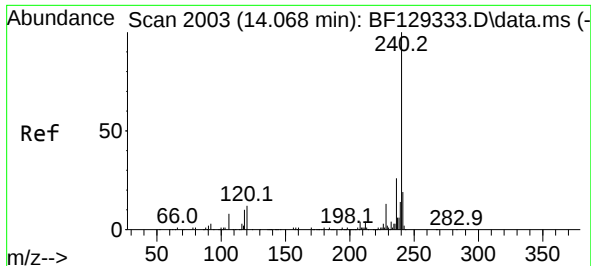


#75
 Fluoranthene
 Concen: 47.854 ng
 RT: 12.604 min Scan# 1754
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38



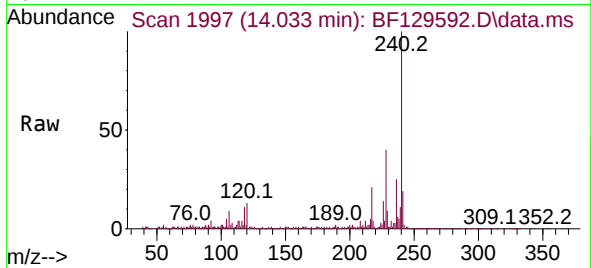
Tgt Ion:202 Resp: 963787
 Ion Ratio Lower Upper
 202 100
 101 12.4 0.0 31.4
 203 17.8 0.0 38.0





#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

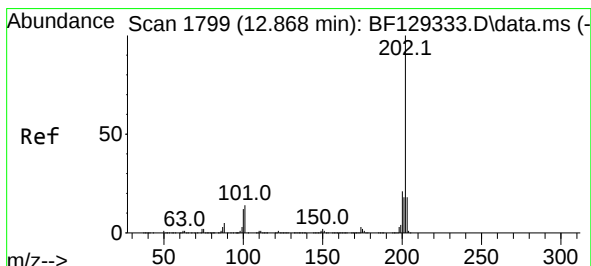
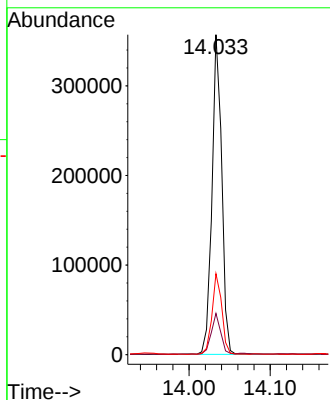
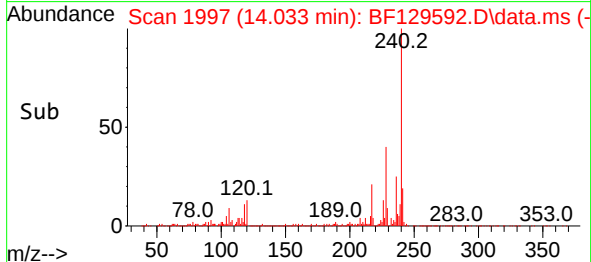
Instrument :
BNA_F
ClientSampleId :
MH-ESDL



Tgt Ion:240 Resp: 299218
Ion Ratio Lower Upper
240 100
120 12.9 8.9 13.3
236 25.3 20.8 31.2

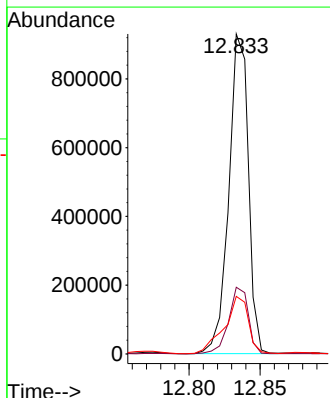
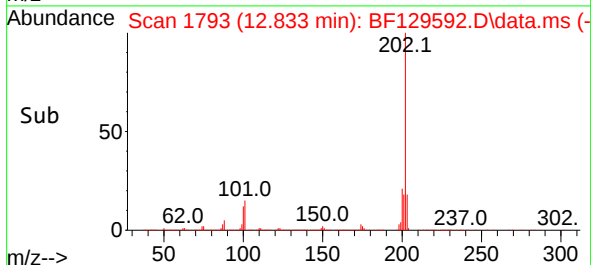
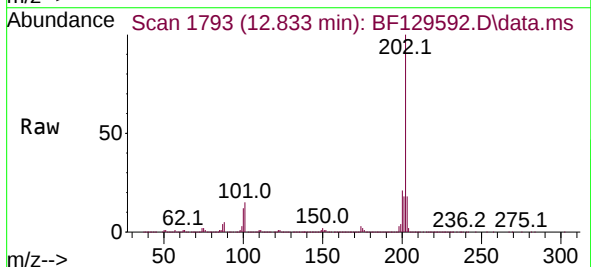
Manual Integrations
APPROVED

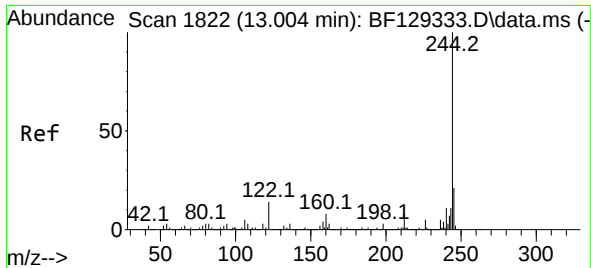
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#78
Pyrene
Concen: 35.512 ng
RT: 12.833 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:202 Resp: 888553
Ion Ratio Lower Upper
202 100
200 20.9 17.7 26.5
203 18.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 32.436 ng
 RT: 12.969 min Scan# 1822
 Delta R.T. -0.012 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

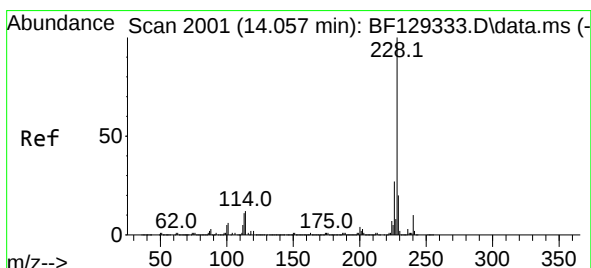
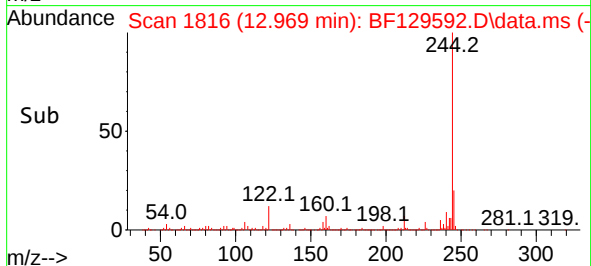
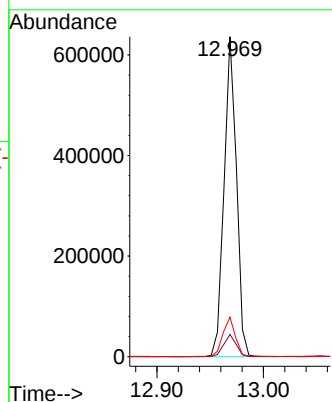
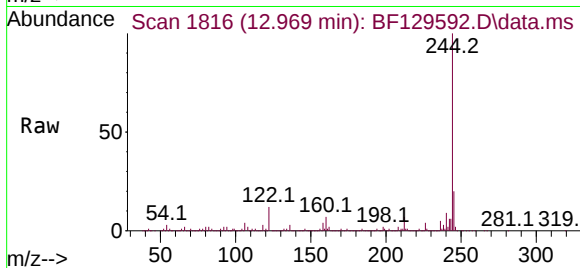
ClientSampleId :

MH-ESDL

Tgt Ion:244 Resp: 514451
 Ion Ratio Lower Upper
 244 100
 212 6.9 6.1 9.1
 122 12.3 8.8 13.2

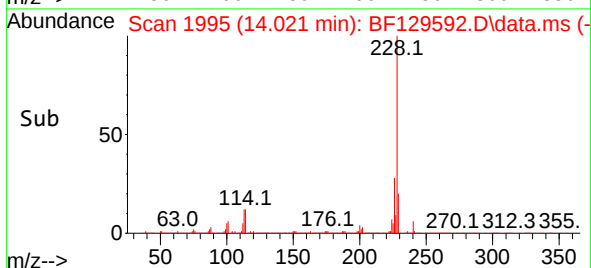
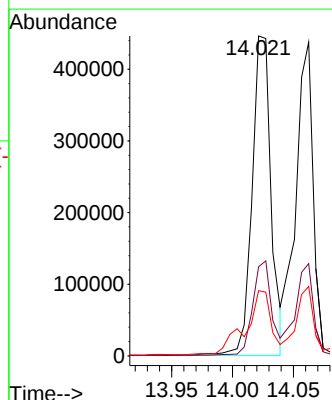
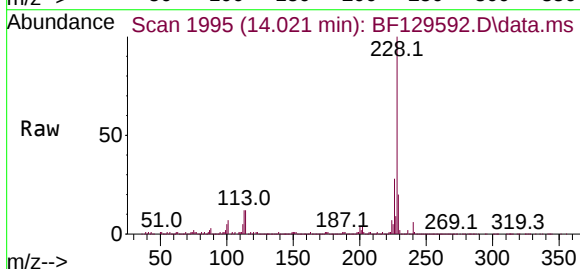
Manual Integrations
 APPROVED

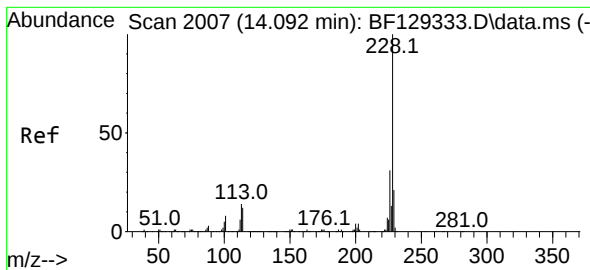
Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#81
 Benzo(a)anthracene
 Concen: 23.693 ng
 RT: 14.021 min Scan# 1995
 Delta R.T. -0.006 min
 Lab File: BF129592.D
 Acq: 05 Aug 2022 03:38

Tgt Ion:228 Resp: 484269
 Ion Ratio Lower Upper
 228 100
 226 27.9 22.1 33.1
 229 20.4 15.8 23.8





#83

Chrysene

Concen: 22.703 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

Tgt Ion:228 Resp: 437330

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

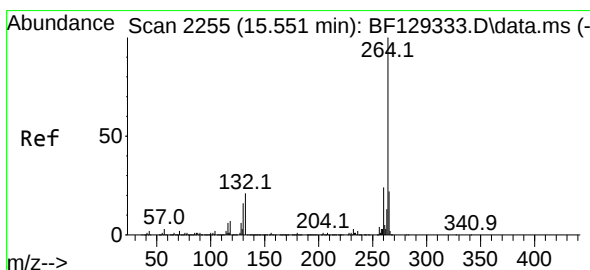
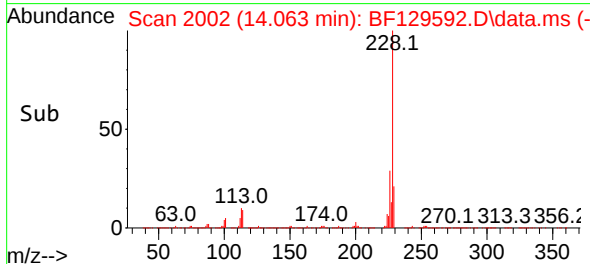
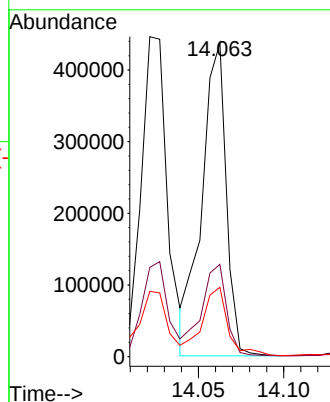
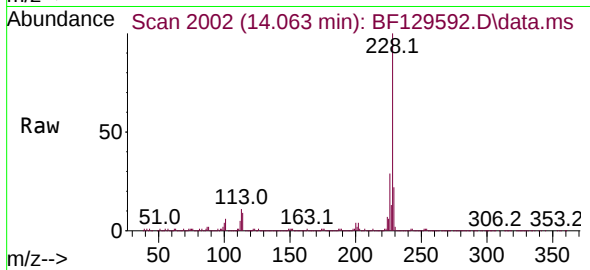
229 22.1 15.9 23.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.515 min Scan# 2249

Delta R.T. -0.000 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

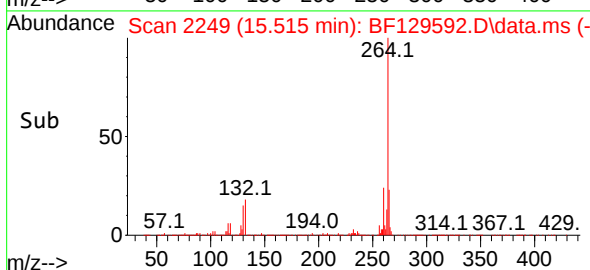
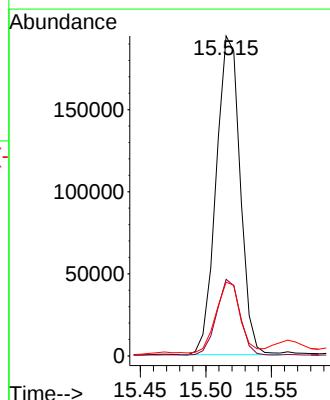
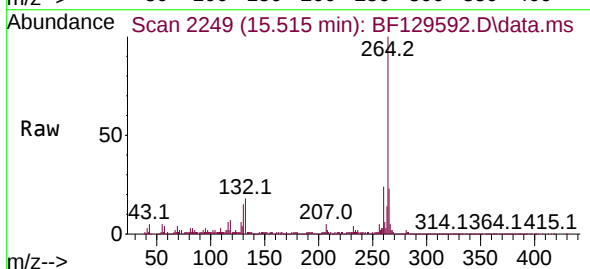
Tgt Ion:264 Resp: 248229

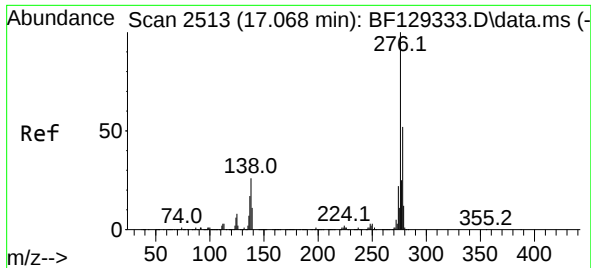
Ion Ratio Lower Upper

264 100

260 23.9 18.4 27.6

265 23.0 17.2 25.8





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.590 ng
RT: 17.009 min Scan# 21044
Delta R.T. -0.012 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

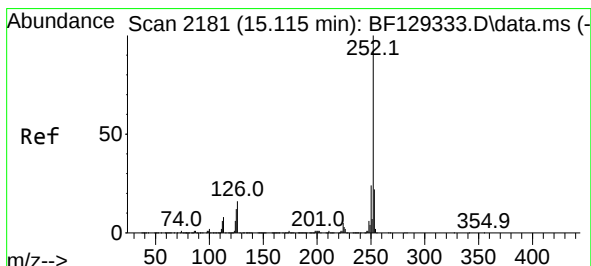
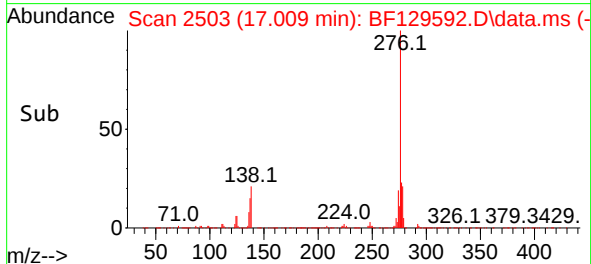
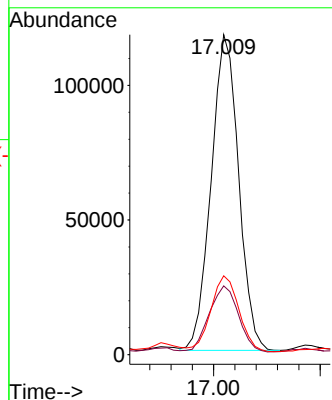
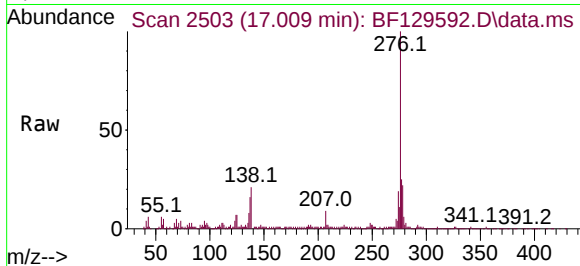
MH-ESDL

Tgt Ion:276 Resp: 210446
Ion Ratio Lower Upper
276 100
138 22.1 21.1 31.7
277 24.7 20.3 30.5

Manual Integrations

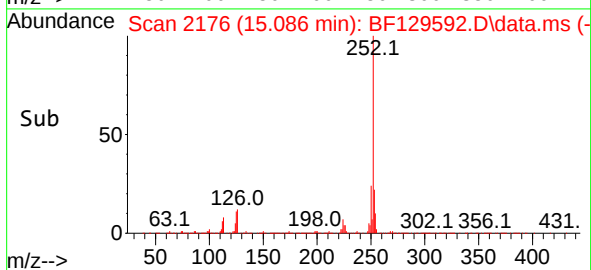
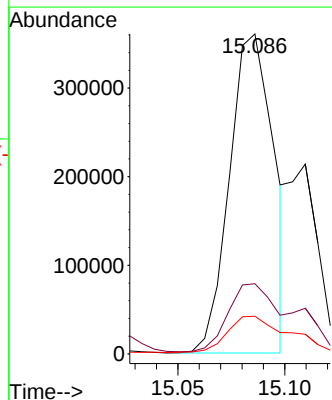
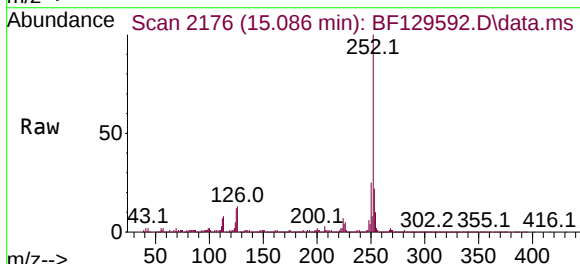
APPROVED

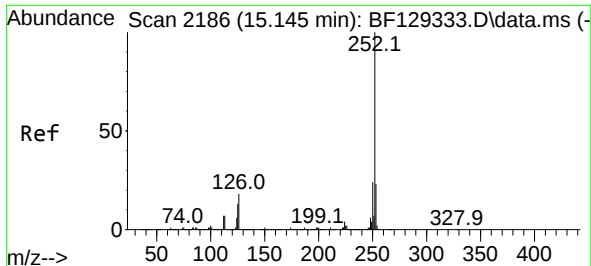
Reviewed By :Christian Giraldo 08/05/2022
Supervised By :Jagrut Upadhyay 08/05/2022



#88
Benzo(b)fluoranthene
Concen: 31.504 ng m
RT: 15.086 min Scan# 2176
Delta R.T. -0.000 min
Lab File: BF129592.D
Acq: 05 Aug 2022 03:38

Tgt Ion:252 Resp: 518745
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 11.8 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 12.352 ng m

RT: 15.110 min Scan# 2186

Delta R.T. -0.006 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

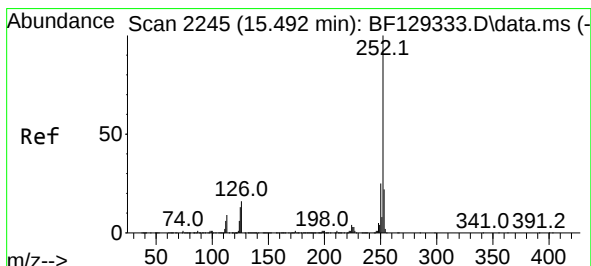
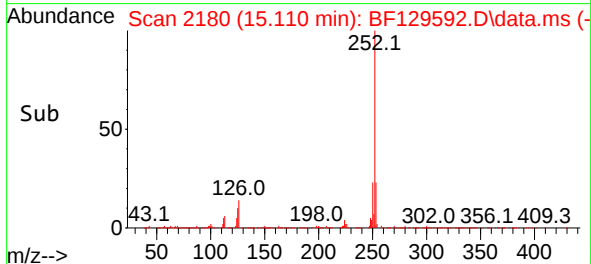
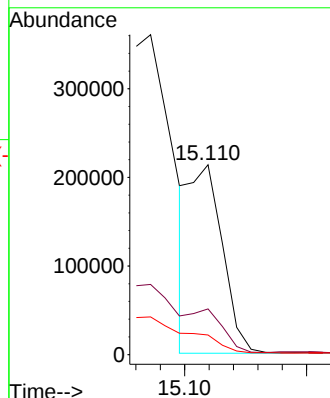
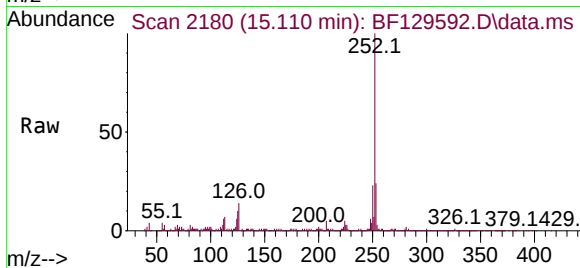
MH-ESDL

Tgt Ion:252 Resp: 199319
 Ion Ratio Lower Upper
 252 100
 253 24.0 17.8 26.6
 125 10.3 8.3 12.5

Manual Integrations

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Reviewed By :Christian Giraldo 08/05/2022
 Supervised By :Jagrut Upadhyay 08/05/2022



#90

Benzo(a)pyrene

Concen: 26.171 ng

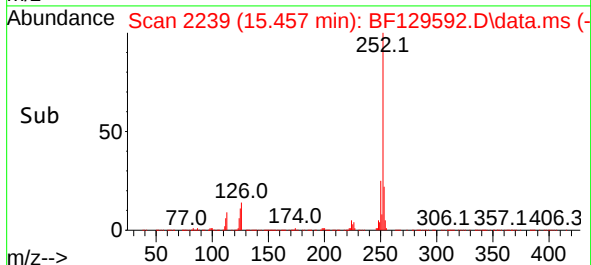
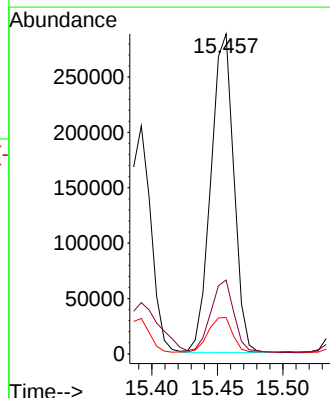
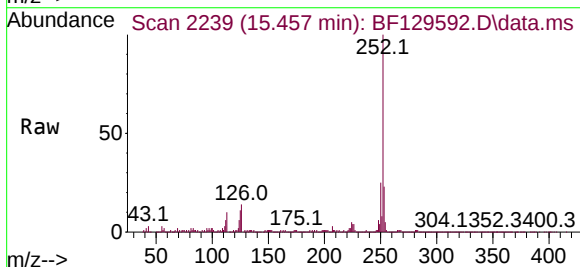
RT: 15.457 min Scan# 2239

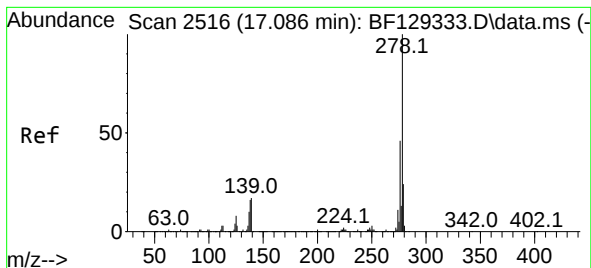
Delta R.T. -0.000 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Tgt Ion:252 Resp: 349813
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.0 25.6
 125 11.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 4.073 ng

RT: 17.015 min Scan# 2516

Delta R.T. -0.018 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Instrument :

BNA_F

ClientSampleId :

MH-ESDL

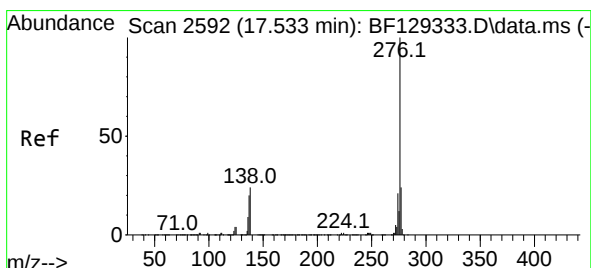
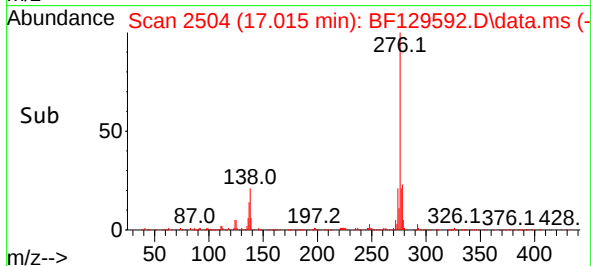
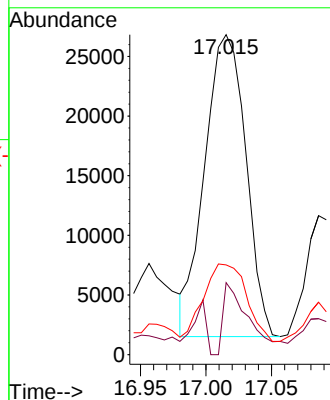
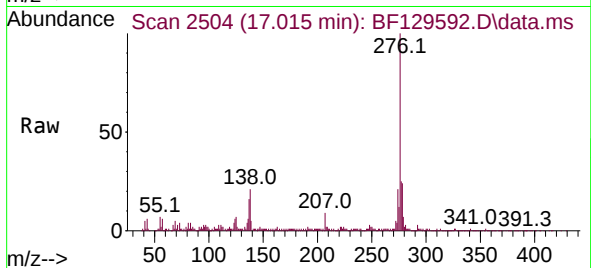
Tgt Ion:278 Resp: 55414
 Ion Ratio Lower Upper
 278 100
 139 22.5 12.8 19.2
 279 28.0 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 08/05/2022

Supervised By :Jagrut Upadhyay 08/05/2022



#92

Benzo(g,h,i)perylene

Concen: 14.248 ng

RT: 17.468 min Scan# 2581

Delta R.T. -0.012 min

Lab File: BF129592.D

Acq: 05 Aug 2022 03:38

Tgt Ion:276 Resp: 198074
 Ion Ratio Lower Upper
 276 100
 277 24.8 19.1 28.7
 138 22.2 18.0 27.0

